



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: HIV-1 Env Expression Vector (CRF02_AG Clone 253)

Catalog Number: 11597

Lot Number: 100188

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNastable *PLUS*
These clones are available individually, or as part of panel set #11673.
[Panel of HIV-1 Subtype A/G Env Clones, Cat No. 11673](#)

Cloning Vector: pCDNA 3.1D/V5-His TOPO®. The size of each cloning vector including the insert is 8,777 bp.

Cloning Site: The entire HIV-1 env/rev cassette was directly inserted into the TOPO TA cloning site of pCDNA 3.1D/V5-HIS TOPO® expression vector, in the correct orientation with the CMV promoter. The size of the insert is 3,254 bp.

GenBank: [EU513191](#)

Host Strain: TOP 10 cells.

Description: A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC. The env/rev cassette was cloned into pCDNA 3.1D/V5-His TOPO® expression vector. A single transformed ampicillin resistant *E. coli* colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin.

Special Characteristics: The clone represents env/rev sequences from a subject with subtype AG infection (in Cameroon). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral coreceptor. The Env-pseudotyped virus is part of a standard panel of reference strains for use in neutralizing antibody assays.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

[Sequence file 100188](#)

This reagent is currently being provided as dried purified DNA stabilized in DNASTable PLUS. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage:

Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor:

Drs. D. Ellenberger, B. Li, M. Callahan, and S. Butera

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. Ellenberger, D., Li, B., Callahan, M., and Butera, S.: HIV-1 Env Expression Vector (CRF02_AG Clone 253)." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents, must contact Dr. Dennis Ellenberger, Centers for Disease Control and Prevention, 1600 Clifton Road, MS A-25, Atlanta GA 30333, Tel: 404-639-1016, Email: dellenberger@cdc.gov, before the reagent(s) can be released.

Last Updated:

January 02, 2019

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.